

Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	A stationary point x is a relative extrema of $y = f(x)$ is	A. $f''(x) > 0$ B. $f''(x) < 0$ C. $f''(x) \neq 0$ D. $f''(x) = 0$
2	Two circles are said to be concentric if they have	A. same radius B. same chord C. same centre D. same diameter
3	The product of complex numbers (a,b) and (c,d) is	A. (ac, bd) B. $(ac-bd, ad+bc)$ C. (ab, cd) D. $(ac+bd, ad-bc)$
4	Question Image	
5	99th term of the series $2 + 7 + 14 + 23 + 34 + \dots$ is	A. 9998 B. 9999 C. 10000 D. None of these
6	Question Image	A. 1 B. 2 C. 3
7	$x = -1$ is in the solution of the inequality	A. $x + 5 < 0$ B. $2x + 3 < u></u>$ C. $x > 0$ D. $2x + 3 > 0$
8	Question Image	A. an A.P. B. a G.P. C. a H.P. D. None of these
9	Question Image	A. Rational B. Irrational C. Non-real D. Zero
10	The null vector is regarded to be perpendicular to	A. Every vector B. In some cases C. Both a b D. None
11	If $y=f(x)$ is a function then x is called	A. dependent variable B. independent variable C. constant D. none of these
12	[i,j,k]	A. 0 B. 2 C. 1 D. -2
13	The equation $ x + 4 = x$ has solution	A. $x = -2$ B. $x = 2$ C. $x = -4$ D. $x = 4$
14	Question Image	
15	$(n + 2) (n + 1) n =$ _____	
16	For the equation $ x^2 + x - 6 = 0$, the roots are	A. One and only one real number B. Real with sum one C. Real with sum zero D. Real with product zero
17	The constant distance of all points of the circle from its centre is called the	A. Radius of the circle B. Secant of the circle C. Chord of the circle D. Diameter of the circle

18	Fundamental law is	
19	Domain of $y = \cot x =$ _____	
20	$\sec(-360^\circ) =$ _____	A. 0 B. 1 C. 2 D. 3
